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| FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE (REV. 12-2004) | | ATTORNEY'S DOCKET NUMBER 112857-458 |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | U.S. APPLICATION NO. (If known, see 37 CFR 1.5) Unknown 10/537499 |
| INTERNATIONAL APPLICATION NO. PCT/JP03/15712 | INTERNATIONAL FILING DATE December 9, 2003 | PRIORITY DATE CLAIMED December 26, 2002 |
| TITLE OF INVENTION HYDROGEN GAS HUMIDITY CONTROL APPARATUS, FUEL CELL, HYDROGEN GAS HUMIDITY CONTROLLING METHOD, AND HUMIDITY CONTROL METHOD FOR FUEL CELL | | |
| APPLICANT(S) FOR DO/EO/US Kanai et al. | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| <ol style="list-style-type: none"> <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below. <input type="checkbox"/> The US has been elected (Article 31). <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ul style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409). <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210). | | |
| <p>Items 13 to 23 below concern document(s) or information included:</p> <ol style="list-style-type: none"> <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. <input checked="" type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. <input type="checkbox"/> A substitute specification. <input type="checkbox"/> A power of attorney and/or change of address letter. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4). <input checked="" type="checkbox"/> Express Mail Label No. EV 551757889 US <input checked="" type="checkbox"/> Other items or information: Return receipt postcard; Form PCT/IB/301; 304, 308, PCT/ISA/220, and Formal Drawings (22 sheets). | | |

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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| U.S. APPLICATION NO. (If known, see 37 CFR 1.5) | | INTERNATIONAL APPLICATION NO. | | ATTORNEY'S DOCKET NUMBER | |
| 107537499 Unknown | | PCT/JP03/15712 | | 112857-458 | |
| 24. The following fees are submitted: | | | | | |
| <input checked="" type="checkbox"/> a) Basic national fee \$300.00 <input checked="" type="checkbox"/> b) Examination fee \$200.00 <input checked="" type="checkbox"/> c) Search fee \$500.00 | | | Applicant use \$300.00 \$200.00 \$500.00 Office use \$1,000.00 | | |
| TOTAL OF ABOVE CALCULATIONS = \$1000.00 | | | | | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole) | | RATE | |
| - 100 = | /50 = | | | x \$250.00 | \$ 0.00 |
| 'Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)). | | | | | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
| Total claims | 19 - 20 = 0 | x \$50.00 | \$ 0.00 | | |
| Independent claims | 7 - 3 = 4 | x \$200.00 | \$ 800.00 | | |
| MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00 | | | | | |
| TOTAL OF ABOVE CALCULATIONS = \$1,800.00 | | | | | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | | | | | |
| SUBTOTAL = \$1,800.00 | | | | | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | | |
| TOTAL NATIONAL FEE = \$1,800.00 | | | | | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + \$ 0.00 | | | | | |
| TOTAL FEES ENCLOSED = \$1,800.00 | | | | | |
| <input type="checkbox"/> Amount to be refunded: <input type="checkbox"/> Amount to be charged: | | | | | |
| <p>a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>\$1,800.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>02-1818</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> | | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. | | | | | |
| SEND ALL CORRESPONDENCE TO: | | | | | |
| Thomas C. Basso BELL, BOYD & LLOYD LLC P.O. Box 1135 Chicago, IL 60690-1135 | | |  SIGNATURE Thomas C. Basso NAME 46,541 REGISTRATION NUMBER | | |

10/537499
JC17 Rec'd PCT/PTO 03 JUN 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Kanai et al.

Appl. No.: Unknown

Filed: June 3, 2005

Title: HYDROGEN GAS HUMIDITY CONTROL APPARATUS, FUEL CELL,
HYDROGEN GAS HUMIDITY CONTROLLING METHOD, AND
HUMIDITY CONTROL METHOD FOR FUEL CELL

Art Unit: Unknown

Examiner: Unknown

Docket No.: 112857-458

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING BY EXPRESS MAIL UNDER 37 CFR 1.10

Sir:

I hereby certify that the following documents relating to the above-identified application:

1. Transmittal Letter (dup.);
2. Int'l App. as filed including Int'l Search Report (58 pgs.);
3. English Trans. of Int'l App. as filed (112 pgs.) including 22 sheets of Formal Drawings;
4. Executed Dec. and POA (3 pgs.);
5. Recordation Form Cover Sheet (duplicate);
6. Assignment (3 pgs.);
7. Check for \$40.00 for Assignment;
8. Return receipt postcard for Assignment;
9. Preliminary Amendment (137 pgs.);
10. Form PCT/IB/301, 304, 308, PCT/ISA/220, 210;
11. Check in the amount of \$1,800.00; and
12. Return receipt postcard.

are being deposited with the United States Postal Service with sufficient postage as Express Mail in an envelope addressed to:

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

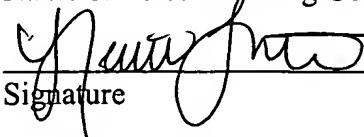
on June 3, 2005.

Respectfully submitted,

BELL, BOYD & LLOYD LLC

Heather Foster

Name of Person Mailing Correspondence



Signature

EV 551757889 US

Express Mail Mailing Label Number